

UNITED STATES PATENT AND TRADEMARK OFFICE  
DOCUMENT CLASSIFICATION BARCODE SHEET



4/8/02  
10/070588

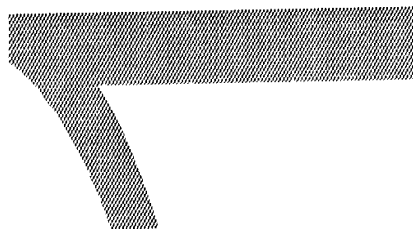
## As-Perfected Follow-on Papers

Level -1  
Version 1.1

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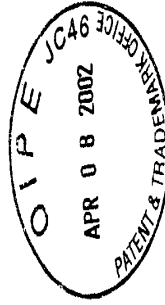


**Transmittal**



Level - 2  
Version 1.1





VOS-31

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicants : Leszek Wojnowski et al.  
Application No. : 10/070,588  
Confirmation No. : Not yet assigned  
Filed : March 8, 2002  
For : POLYMORPHISMS IN THE HUMAN hPXR GENE  
AND THEIR USE IN DIAGNOSTIC AND  
THERAPEUTIC APPLICATIONS  
Group Art Unit : Not Yet Assigned  
Examiner : Not yet assigned

New York, New York  
April 8, 2002

Hon. Commissioner for Patents  
P.O. Box 2327  
Arlington, Virginia 22202  
Attention: BOX PG PUB DRAWINGS

TRANSMITTAL LETTER

Sir:

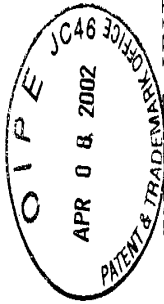
Transmitted herewith: [☒] Petition Under 37 C.F.R.  
§ 1.182 for Entry of the Drawings; [☒] 7 Sheets of Formal  
Drawings; [☒] a check for \$130.00; to be filed in the above-  
identified patent application.

Express Mail Label  
No. EV 045437003 US

The Director is hereby authorized to charge any additional fee due, or credit any overpayment, in connection with this Petition, to Deposit Account No. 06-1075. A duplicate copy of this letter is enclosed herewith.

Respectfully submitted,

*Shawn Marie Mayrand*  
James F. Haley, Jr. (Reg. No. 27,794)  
Jane T. Gunnison (Reg. No. 38,479)  
Attorneys for Applicants  
Shawn-Marie Mayrand (Reg. No. 48,986)  
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Attention: BOX PGPUB DRAWINGS

PETITION UNDER 37 C.F.R. § 1.182  
FOR ENTRY OF THE DRAWINGS

Sir:

Pursuant to 37 C.F.R. § 1.182, applicants hereby  
petition for entry of the enclosed drawings (7 sheets) in the  
publication of this patent application. A check in the amount  
of \$130.00, in payment of the fee set forth in 37 C.F.R. §  
1.17(h), is enclosed herewith.

04/11/2002 MGBREM1 00000047 10070588

01 FC:632


130.00 OP

Express Mail Label  
No. EV 045437003 US

The drawings submitted herewith are identical to the drawings submitted on March 8, 2002. This submission does not constitute new matter.

The Director is hereby authorized to charge any additional fee due, or credit any overpayment, in connection with this Petition, to Deposit Account No. 06-1075. A duplicate copy of this Petition is enclosed herewith.

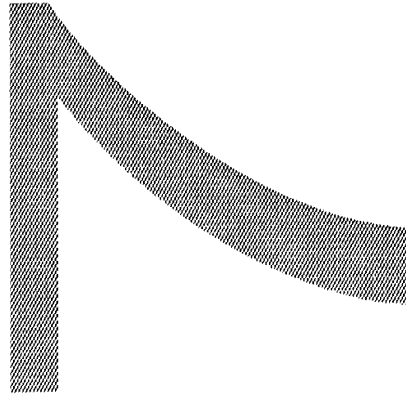
Respectfully submitted,

  
James F. Haley (Reg. No. 27,794)  
Jane T. Gunnison (Reg. No. 38,479)  
Attorneys for Applicants  
Shawn-Marie Mayrand (Reg. No. 48,986)  
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# Drawings



Level - 2  
Version 1.1

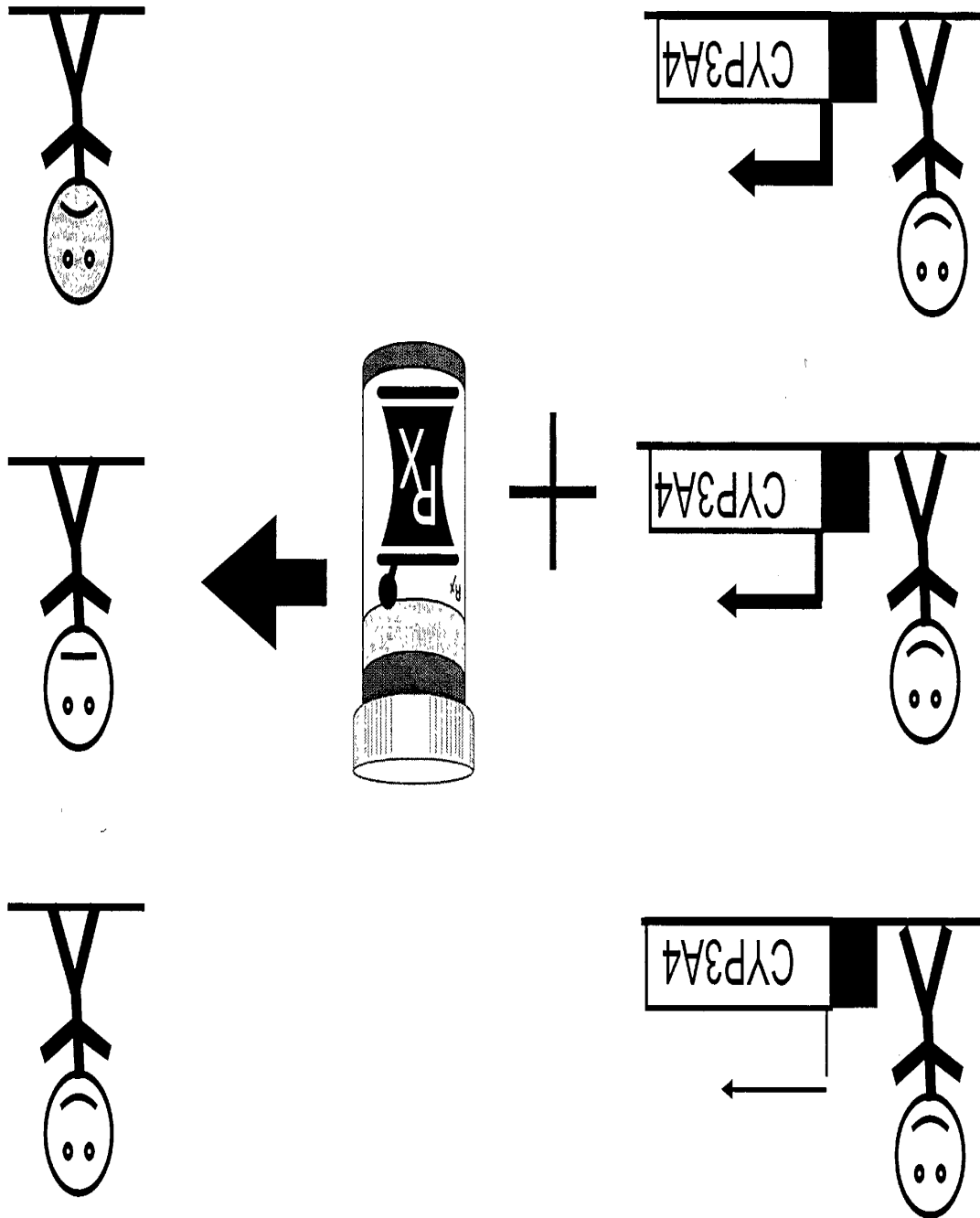


Fig. 1



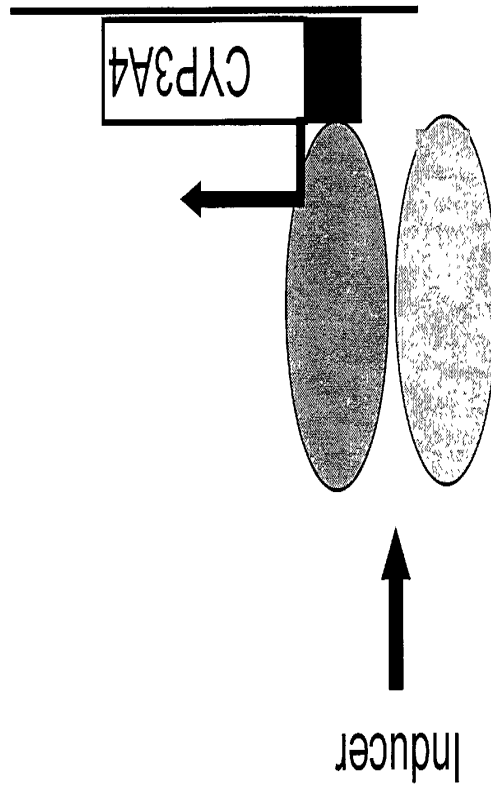
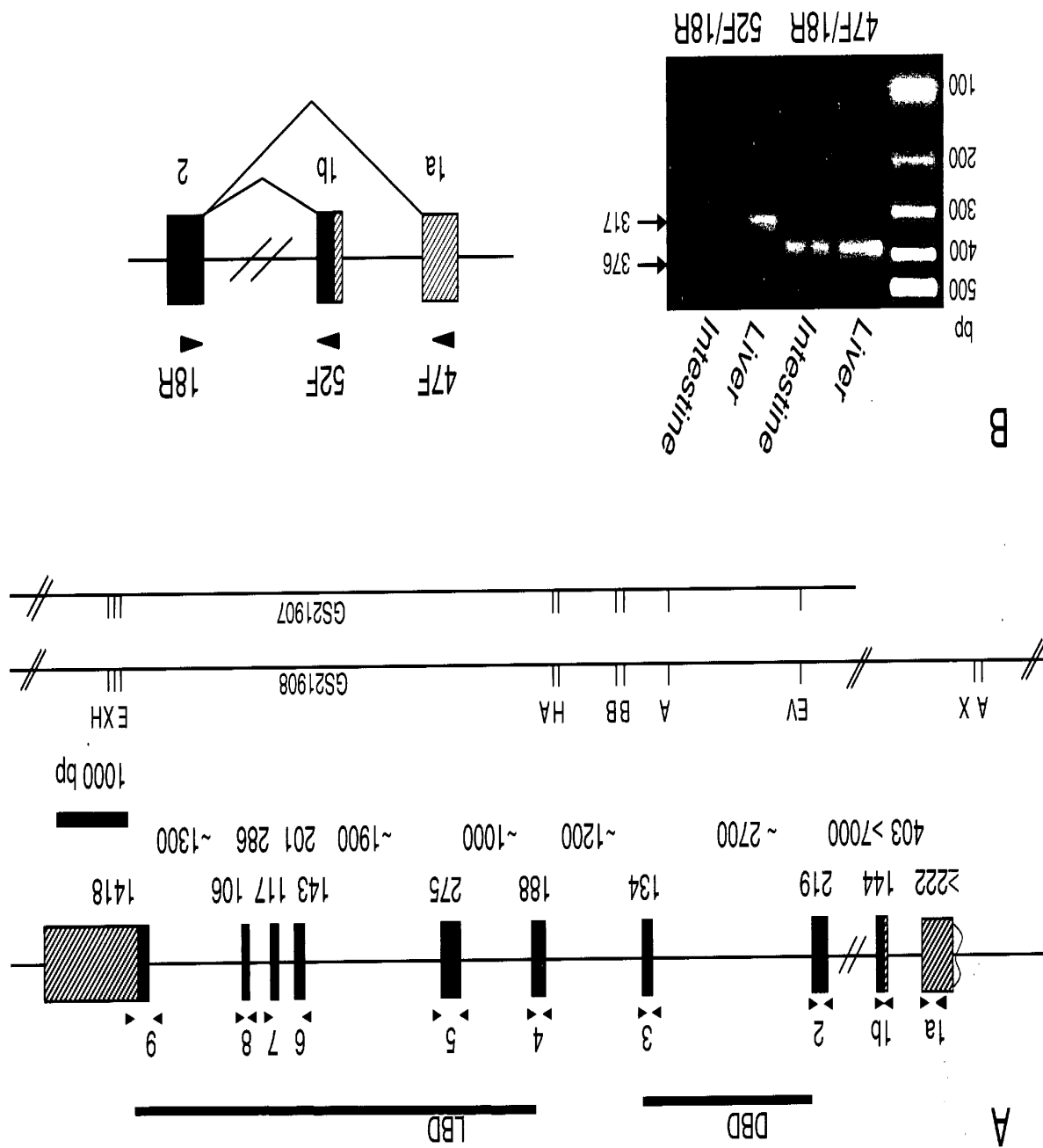


Fig. 2



**Fig. 3**

Exon1a & Exon1b

TCAAGTGCTGGACTTGGGACTTAGGAGGGGCAATGGAGCCGCTTAGTGCCCTACATCTGACTTGGA  
CTATAGTGAGAGACAAGATGTCTCATATCCGGGAATCATAACTATGACTAGGACGGGAAGAGG  
AAGCACTGCCCTTACTTCAGTGGGAATCTCG>AGCCTCAGCCTGCAAGCCAACTTTCACAGTGA  
AAAGCAAGAGAAATAGCTTACTGCTGTAAC>AAAGCAGGCGCTCTTGGTAAGCTAGCTC  
CTTGATCGATCCTTTGGACCGGATCTTCAAGTGGACCCAGGG>TGAGAGTCTGGAGCAAGAAG  
TTACCAACAGCAGGATGGTTTCTTCTCTTCTGCTGGGGCTGACCGCCCTTCAGCTCCAGCC  
AAAGATGTGTGTGACACAATATACCTTGTGTGAGTCAGATCATAGTGGTCTGTAATCATGTGGC  
CTTGCTGTCTCTCATTTCTAGGTGAATAAAGCAATCACTTAATGTGAGCCCTC  
ATTACTGATGCTCTCTGGTCTGCACTAGCTCCCTAGAAATACCCAGCCCTTAACTACTGATGATTA  
CCACAAGTCACACATACACAGCTCCCTGTACAGGGCTGGAGTCCCTGACCCAGGAATACCCCTCC  
AAGCACTGT>GGGGAGCTGGGACTATGGGAACTGGGATCAACTCAGTCTGATCTCTTTGGCCCTG  
GGTGTAGTGTGGCAGCCCTCC>TGAGGCCAAGCAGACAGTCAATGCTGATCACTGAGTCACT  
TCAAGGAGGGTCCCTCAGAGCACTGCTCATACCTGCAAGTGTGGCTGAGTGGCTTCA  
CCAGTGAGTTTCTACCTCTACTATTGAAGGGCACCTTGTCTCCACAGAACCGAGTCTTGGCTGCATGTGG

Exon2

CTGAGGCCCTCTACACATCCCTGTCTCAGTCTTTTCTCTCT>GGTGGTTTCTCTCATTTCTAGTCC  
CCAGAAAGCAAACTGGAGGTGAGACCCAAAGAAAGCTGGAACCATGCTGACTTTGTACTGCTG>A  
AGGACACAGAGTCTGTCTCTGGAAAGC>TCCAGTGTCAACCGAGATGAGGAAGTCC>AGAGGTCCC  
CAATCTGCCCTGTATGTGGGACAAAGCCACTGCTGCTATCACTCAATGCTCATGACATGTGAAGGAT  
GCAAGGCTGTTTTCAGGTAGAGTTACCCATCAGCCCTTCAACCCACGTGCCACCACTGACCCACTGGGTAA  
ATCTCAGGGGCT

Exon3

CTGGAGCGCAAGGCTAGTGTCCCTCCCGAGTGGTGGGGCTGGGAGGGAGGTGGTATGGCCCCG  
AGCCCCAGCGGAGGCGCGGCAACCGTGCATC>TCCCTCTCTGCTCCCATGCTCTCACAGGAGGCG  
CATGAAACCGAACCGCCGGCTG>CAGGTGCCCTTCCGGAAAGGCGCCCTGCGGATCACCCGGAAG  
ACCCGGCAGACAGTGCAGGCTGCGGCTGGGCAAGTGCCTGGAGAGC>TGGCATGAAGAAAGGAGA  
GTGAGCAGTGGCGCGGCGGCGGCGGCGGCGGTGCAACGGCTGTGAGTAAAGGACGTGCCGTGGGTGT  
GT>GGCATGTCTGTGTGAGATGCGCGCGAGTGTGCGGTGAACACACGTGCACATGTGAGCTGGTCC  
GTGTGCAACAGG

Exon4

TAAACGGCTTCTGTGCTGTGAGAGGGTTACACAGTGGCTCTCCAGGGGGCTGGAGGCTCACCAAGGGCA  
TGTGCTGAGCCAGCTCACTGTCCCTGCAGTGATCATGTCCGACGAGGCGCTGGAGGAGGCGGGC  
CTTGATCAAGCGGAGAAAGTGAACGGACAGGACTCACCACTGGAG>ATGCAGGGGCTGACA  
GAGGAGCAGCGGATGATGATCAGGGAGCTGATGACGCTCAGATGAACCTTTGA>GCCACT>CAC  
CTTCTCCCATTTCAAGAAATTTCCGGGTAGGAGAACTGACAGTGCAGTGCCTGCTGCTCTTCA  
TTCTCACATAGAAACTGAGGTTCCCCAAAGGATAAGAACTTATACAAAGTCAACAGCTAATCAGTGTGGAG  
GGTAGATTGGAGAGCT

Exon5

CTGAGTTGGGACCTGTCTATGAAGACACATGTGTCTCTCTCTGTCTCAGTCCCTGGCATGTGTCTAGCTG  
CCAGGGGTGCTTAGCAGTGGC>TTGCCAGTGTGCCAGAGTCTCTGACGGCCCATCGAGGGAAGAG  
CTGCCAAGTGGAGCCAGGTCCGGAAGATCTGTGCTCTTTGAAGTCTCTCTGCACTGCGGGGGA  
GGATGGCAGTGTCTGGAACCTAACCCCGCAGCCAGTGGC>TGGGAAGAGATCTCTCTCCCTG  
CTGCCCCACATGTGCTGACATGTCAACCTACATGTTCAAAGGCACTCATCAGCTTTGCCAAAGTCACTC  
CTACTCAGGTAGGACATGGAGACTGGGTGGGTGTGGAAAGAACTGGAAGTGGCCAGGAGTTCA  
AAGGGCCCTG

Fig. 4

**Exons 6&7**

CTGCTGGTGCCGGCTGTGGCTGCGCTCCCAGGGAGCTGTCTCTCCCTCCCATCTTGCTGCCAGGGACTT  
GCCCATCGAGGACCAATCTCCTGCTGAAGGGAGCTTTCGAGCTGTGTCAACTGAGATTCA  
ACACAGTGTTCAACCGGAGACTGGAACCTGGGAGTGTGGCCGGCTCTCTACTGCTTGGAAGACAC  
TGCAGTGCCCGAGAGAGCCTGCTGCGAGAGGGAGGAAACACTGCAGTTATGGGAGGAAGGA  
GCTACGCCAGGATATGCAGGTCTGGATGGCAGAGGCAGGAAGATGGAATGGTGGAAACAAGAAGT  
ATTGGTAGGGATGATTAAGATCTTGGTCAGCTTGTGAGAAAGTGCCCTCCATCCTGTACCATCCAC  
AGTGGCTTCCAGCAACTTCTACTGAGCCCATGTGAAATTCCACTACCTGCTGAAGAGCTGC  
AGCTGCATGAGGAGGATATGCTGATGCAGGCCATCTCCCTCTCTCCCCAGGTGAGGATCTCCCC  
TAGGCTGCCGTGACATCCCCCCTATCTGCCCTCCCAGGGAAGGTCCCAGTCTC

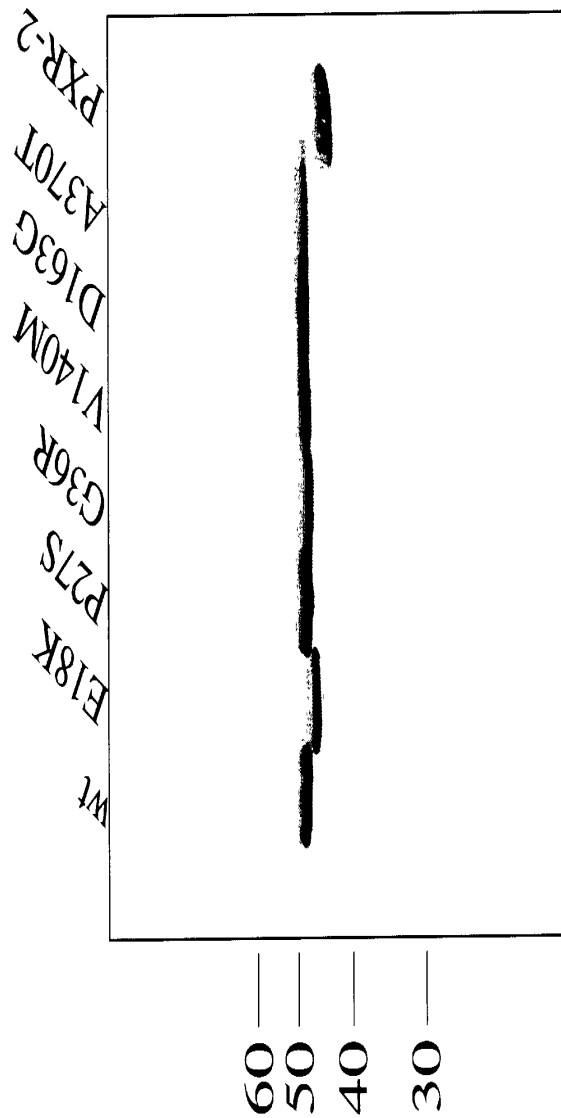
**Exon 8**

GAGCAATGCCCTGACTCTGGGCTGGACTGAGCTTGTCTTTGCCCCATGATCTTGCACCACACCTCCCTCCCC  
TCCAGACCCGCCAGGTGTGCTGCAGCACCGCGTGTGGACCACGCTGCAGGAGCAATTCGAGCCATTA  
CTCTGAAGTCCCTACATTTGAATGCAATCGGCCCAAGCCCTGCTCATAGGIGAGCACAGCAGGGGTGAGG  
ACCCGTGAGGGTGATGTGAGGAGAGCCGAGGTTCAGGGAATTGCCCAAGACTTCATGGCCAGAGGG

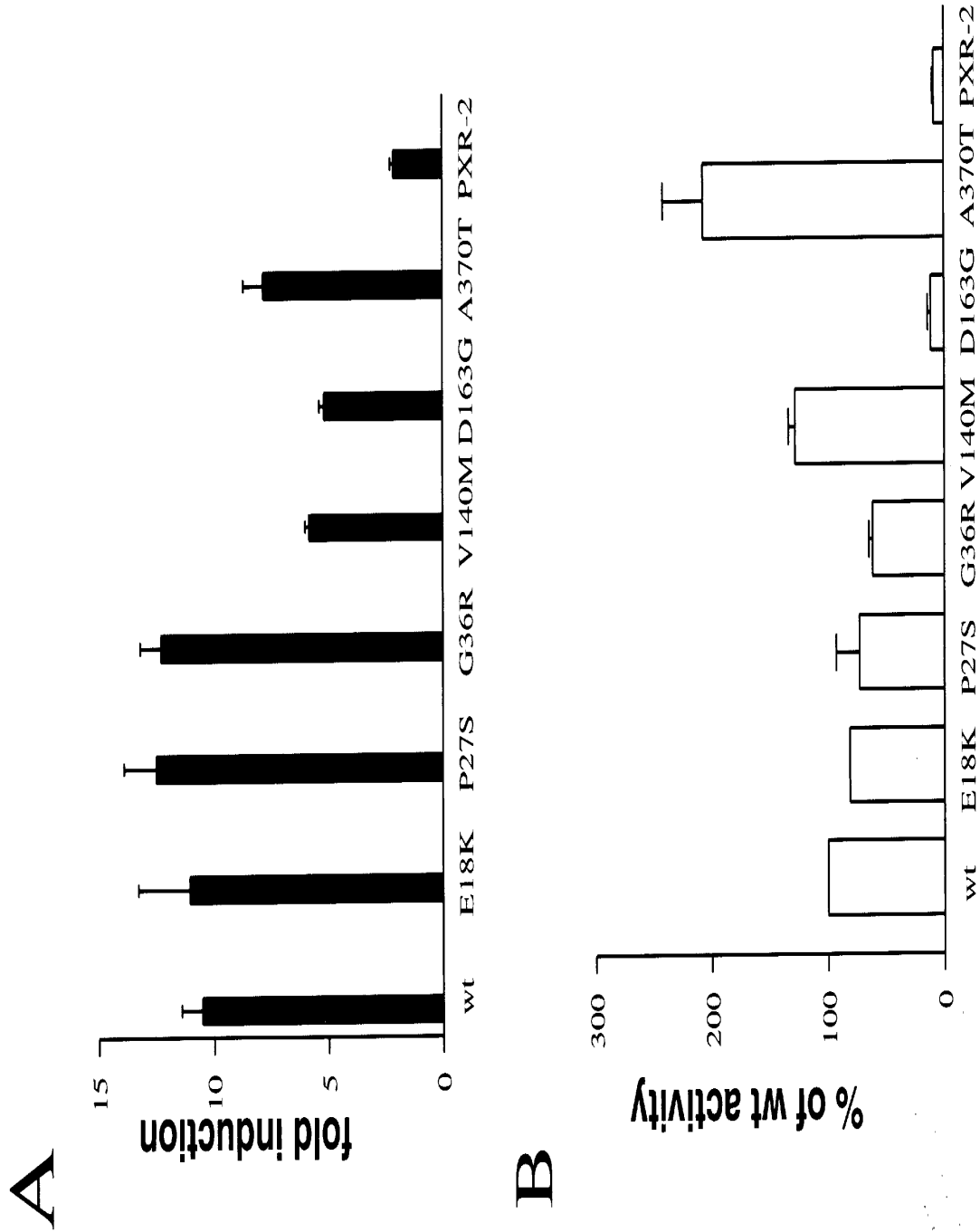
**Exon 9**

TGCTTGTGCAGCCTCAGAGCCCTGAGGCTTGTGGGTCAGGGGCTGCACCCACAATCTTCTCTGG  
CTGGCATGCAGGTCTTGTCTCTGAAGATCATGGCTATGCTCACCGAGCTCCGCAGCATCAATGCTCA  
GCACACCCAGCGGCTGCTGCAGCATCCAGGACATACACCCCTTGTACGCCCTCATGCAGGAGTTG  
TTCGGCATCACAGGTAGCTGAGCGAGCTGCCCTTGGGATGACACCTCCGAGAGGCAGCCAGACC  
CAGAGCCCTCTGAGCCGCCACTCCCGGCCAAGACAGATGGACACTGCCCAAGAGC

**Fig. 4 cont.**



**Fig. 5**



**Fig. 6**





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Commissioner for Patents  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

4/29/02

Fish and Neave  
1251 Avenue of the Americas  
New York NY 10020-1104

Dear Applicant:

The Box PGPub replacement drawings for application number 10/070,588 received on 4/8/02 by the U. S. Patent and Trademark Office will be included for patent publication.

Telephone inquiries should be directed to Customer Service, Office of Initial Patent Examination, at 703-308-1202.





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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 04-14-2010 BY 60322

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Washington, DC 20231  
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*W. J. Durham*

Signature of Reviewer, Office of Initial Patent Examination